

High School to College and Career Pathway: Secondary

Area of Study: Skilled & Technical Sciences Education



Pathway: Precision Production Trades Machine Tool

Middle School					High School Suggested Education Plan								College & Careers																					
7 th Grade		8 th Grade		State Requirements			9 th Grade Suggested		10 th Grade Suggested		11 th Grade Suggested		12 th Grade Suggested		Beyond High School																			
Language Arts 7 1.00		Language Arts 8 1.00		2.00		Language Arts	3.00		Language Arts 9 1.00		Language Arts 10 1.00		Language Arts 11 1.00		(1 additional credit—class of 2011)	<p>There are a number of options for education and training beyond high school, depending on your career goals.</p> <p>> Certificate</p> <p>> Associate degree</p> <p>> Bachelor's degree</p> <p>> Professional degree</p> <p>> On-the-job training</p> <p>> Apprenticeship</p> <p>> Military training</p>																		
Pre-Algebra 1.00		Elem. Algebra or Applied Math 1.00		2.00		Math	2.00		Geometry or Applied Math II 1.00		Intermediate Algebra 1.00		(1 additional credit—class of 2011)																					
Science .50		Science 1.00		1.50		Science	2.00		Earth Systems 1.00		Physics 1.00 or Physics with Technology 1.00		(1 additional credit—class of 2011)																					
Utah Studies .50		U.S. History I 1.00		1.50		Social Studies	2.50		Geography for Life .50		World Civilizations .50		U.S. History II 1.00		U.S. Government and Citizenship .50																			
P.E. 1.00		Health .50		1.50		P.E./Health	2.00		Participation Skills and Techniques .50		Fitness for Life .50 / Health Education .50																							
The Arts .50		The Arts .50		1.00		Fine Arts	1.50		Fine Arts Courses 1.50																									
						Financial Literacy	.50		Financial Literacy .50																									
Keyboarding .50						Computer Tech.	.50		Computer Technology .50																									
CTE Intro 1.00				1.00		Career and Technical Education	1.00																											
<p>Workforce Trends</p> <p>Despite rising productivity that is expected to limit employment growth, opportunities should be excellent because not enough qualified people are attracted to production-related occupations.</p> <p>Get the Facts</p> <p>No two countries were more responsible for the Industrial Revolution than America and England. In England, machines served to make talented artisans better. In America, machines served to make entrepreneurs more productive.</p>				<p>Core Curriculum and elective requirements may vary district to district. Check with your school counselor.</p> <p>Concurrent enrollment course offerings vary by school and district.</p>				<p>Career and Technical Education Recommended Pathway Courses</p> <p>(Students may select individual courses for exploration, or a complete Pathway for an in-depth focus.)</p> <p>CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL</p> <table><tr><th>Course #</th><th>Foundation Course: (required)</th><th>Credit</th></tr><tr><td>48.0503</td><td>Machine Tool *</td><td>1.00</td></tr><tr><td colspan="3">Elective Courses:</td></tr><tr><td>48.0508</td><td>Welding Technician – Entry Level</td><td>1.00</td></tr><tr><td>48.0701</td><td>Woodworking</td><td>.50</td></tr><tr><td>32.0199</td><td>Student Internship (Critical Workplace Skills)</td><td>.50</td></tr></table> <p>* Will include advanced Machine Tool courses.</p> <p>Many Utah post-secondary programs accept high school courses toward a two- or four-year degree through concurrent enrollment. Check regional post-secondary Pathways for details.</p>							Course #	Foundation Course: (required)	Credit	48.0503	Machine Tool *	1.00	Elective Courses:			48.0508	Welding Technician – Entry Level	1.00	48.0701	Woodworking	.50	32.0199	Student Internship (Critical Workplace Skills)	.50	<p>2.00 credits</p> <p>1.00 credit</p> <p>3.00 credits for completion</p>	
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<p>For more information on salary projections, labor market demand, and training options, visit www.careers.utah.gov.</p>																																		

Note: For more information, talk to your school counselor.